

# ABSTRACT

The present invention relates to improved upright and  
cannister vacuum cleaners. The improved vacuum cleaners utilize  
toroidal vortex technology to provide efficient airflow in a  
sealed system. The sealed system prevents dust from escaping  
into the atmosphere and retains kinetic energy of flowing air.  
The present invention is also quieter, lighter, and simpler than  
conventional designs.

10050501-011602